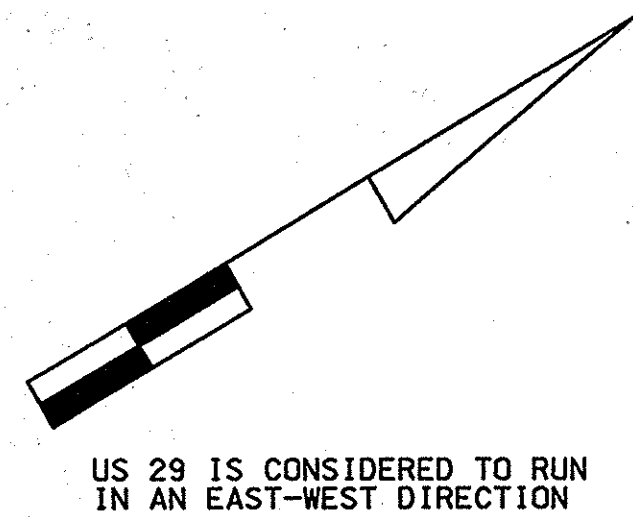


DRILL HOLES

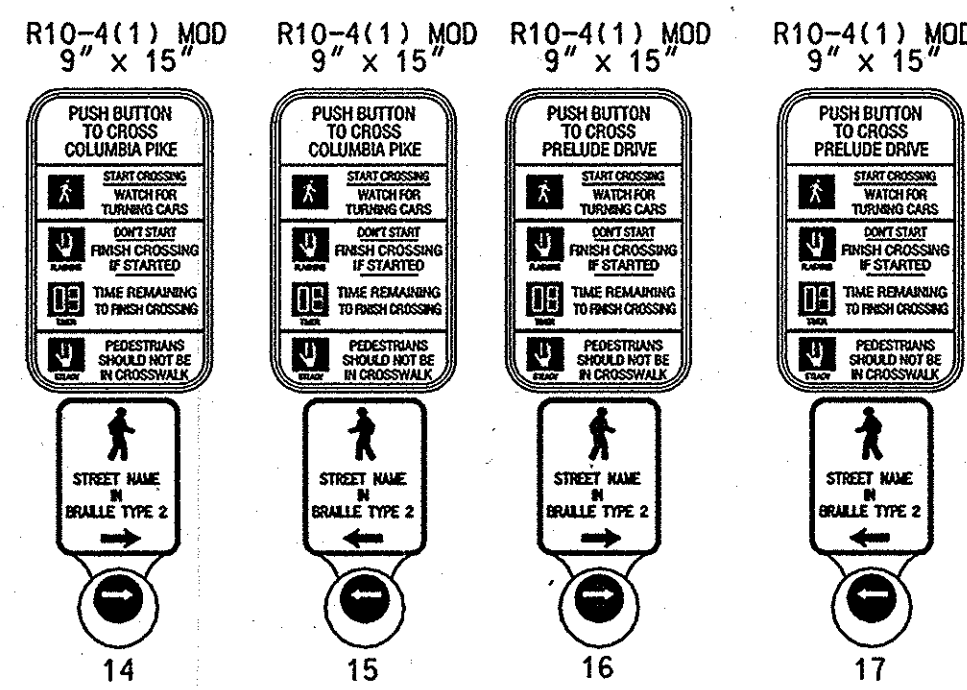
DRILL HOLES

DRILL HOLES

BORDER REV. DATE: June 1, 2004

US 29 IS CONSIDERED TO RUN  
IN AN EAST-WEST DIRECTION

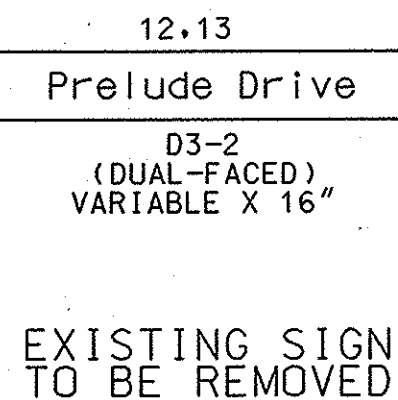
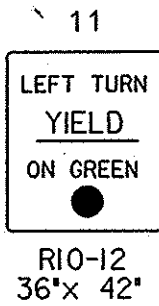
## PROPOSED SIGNS



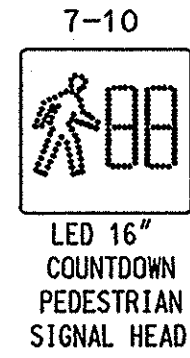
US 29 (COLUMBIA PIKE)

PRELUDE DRIVE

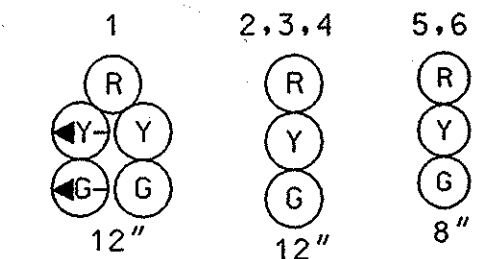
## EXISTING SIGN

EXISTING SIGN  
TO BE REMOVED

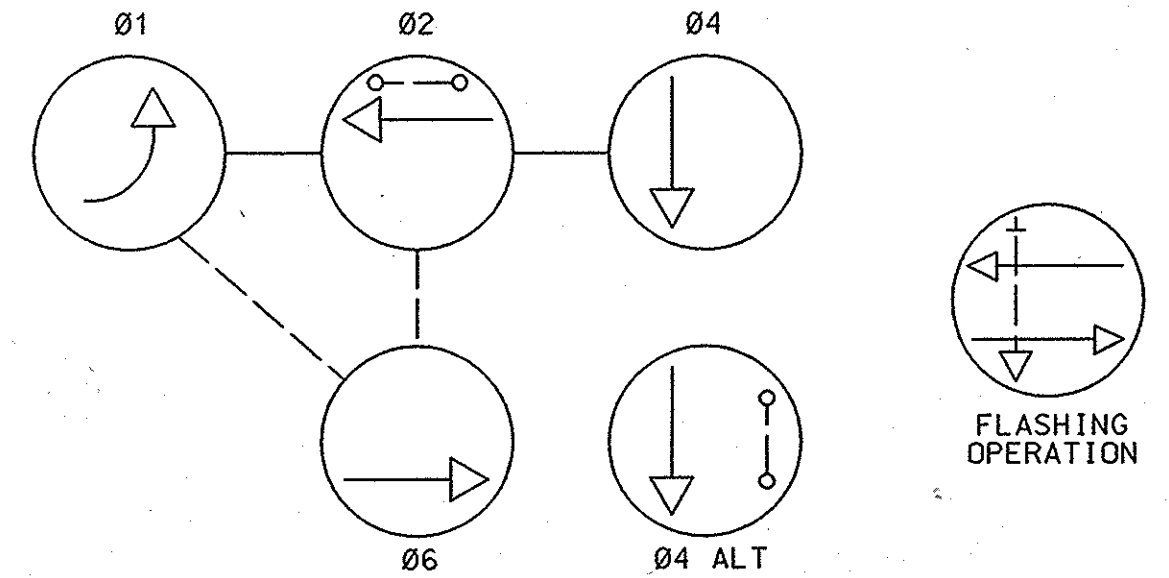
## PROPOSED SIGNS



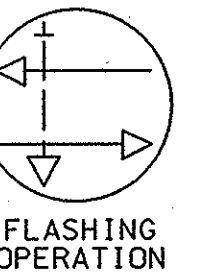
## EXISTING SIGNALS



## NEMA PHASING



PHASING NOTES:  
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

FLASHING  
OPERATIONEXISTING UNDERGROUND I/C  
SOUTH TO BURNT MILLS AVEUS 29  
(COLUMBIA PIKE)

MONO. MEDIAN

GRASS MEDIAN

US 29  
(COLUMBIA PIKE)

TO MD 650

## CONSTRUCTION DETAILS

- Install 10' breakaway pedestal pole, Countdown pedestrian signal head, APS pushbutton and pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride elbow).
- Remove existing pedestrian signal heads, pushbutton, pedestrian sign from existing strain pole. Disconnect and pull back all cable and reroute through proposed conduit use existing conduit bend in strain pole foundation as shown.
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched). Cap and abandon existing conduit after installation of proposed conduit and rerouting of cable has been completed as shown.
- Install handhole.
- Install proposed parallel handicapped ramp (Std. No. MD 655.13 with detectable warning surface (Std. No. MD 655.40).
- Install proposed parallel handicapped ramp (Std. No. MD 655.12) with detectable warning surface (Std. No. MD 655.40). (Note: The macadam trail shall tie into the 5' flat landing.)
- Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline)
- Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk)
- Use existing span wire.
- Use existing conduit.
- Use existing handhole.
- Use existing base-mounted cabinet and controller.
- Remove existing pedestrian signal heads, pushbutton, pedestrian sign from existing strain pole.
- Remove existing pedestrian pushbutton, pedestrian sign and 4' pedestal pole from median. Cap and abandon conduit.
- Remove existing handhole after all wiring is disconnected and pulled back to strain pole, splice a new piece of 2" polyvinyl chloride (Schedule 80) to existing conduit in place of handhole. Reroute and connect wiring to its original origin.
- Remove existing pavement markings (Crosswalk and Stopline).
- Remove existing sign.
- Existing underground service maintained by PEPCO.

## GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- Contractor shall remove all unused wiring.
- If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.

TOD NO: AT925-02  
SHA No.: MO281A52/B52  
US 29 @ Prelude Drive

**SHA**STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATIONUS 29 (COLUMBIA PIKE)  
AND PRELUDE DRIVE  
WHITE OAK, MARYLAND

## TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 1-31-89 CONTRACT NO. M-628-459-385

DESIGNED BY R R ZACHERL COUNTY MONTGOMERY

DRAWN BY W J NIES LOGMILE 15002904.35

CHECKED BY D DODA TMS NO. H824

F.A.P. NO. TOD NO.

TS NO. 2544B DRAWING NO. 1 OF 2 SHEET NO. OF

## GEOMETRIC LEGEND

PROPOSED

EXISTING

LEGEND OF UNDERGROUND  
AND OVERHEAD UTILITIES

AERIAL CABLE

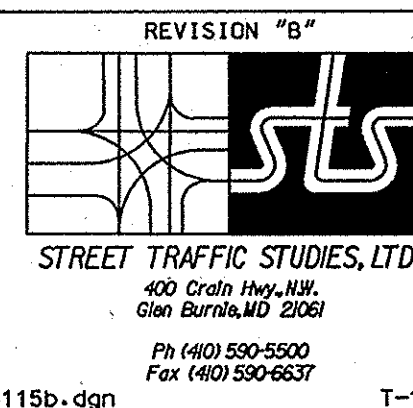
ELECTRIC

TELEPHONE

GAS

SEWER

CABLE TV



5115b.dgn

T-16

## APPROVALS

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

## REVISIONS

12-15-06

SHA NO. AT925-02

JWA

A RELOCATE CONTROLLER

RRZ

SHA. NO.

FILE: H824G01.DGN

PLOTTED: THURSDAY, DECEMBER 21, 2006 AT 7:27:55 AM